SEQUENCE LISTING

<110> Chen et al.

<120> METHODS AND COMPOSITIONS FOR STIMULATING AXON REGENERATION AND PREVENTING NEURONAL CELL DEGENERATION

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Leu Gln Thr P			gcg ggg cct gcg Ala Gly Pro Ala 85						
			c cgc cag gcc ggc Arg Gln Ala Gly 100						
		g Asp Phe Ala	gag atg tcc agg Glu Met Ser Arg 115						
			ttt gcc acg gtg g Phe Ala Thr Val 130						
			g agg att gtg gcc 7 Arg Ile Val Ala						

140 145 150	
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cac ctg cac acc tgg atc cag gat aac gga ggc tgg gat gcc ttt gtg His Leu His Thr Trp Ile Gln Asp Asn Gly Gly Trp Asp Ala Phe Va 185 190 195	
gaa ctg tac ggc ccc agc atg cgg cct ctg ttt gat ttc tcc tgg ctg Glu Leu Tyr Gly Pro Ser Met Arg Pro Leu Phe Asp Phe Ser Trp Leu 200 205 210	u
tct ctg aag act ctg ctc agt ttg gcc ctg gtg gga gct tgc atc ac Ser Leu Lys Thr Leu Leu Ser Leu Ala Leu Val Gly Ala Cys Ile Th 220 225 230	
ctg ggt gcc tat ctg ggc cac aag tga agtcaacatg cctgccccaa Leu Gly Ala Tyr Leu Gly His Lys 235	771
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Lys Tyr Ile His Tyr Lys Leu Ser Gln Arg Gly Tyr Glu Trp Asp Al 20 25 30	.a
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Phe Ser Ser Gln Pro Gly His Thr Pro His Thr Ala Ala Ser Arg Asp

Pro Val Ala Arg Thr Ser Pro Leu Gln Thr Pro Ala Ala Pro Gly Ala

65	70	75	80						
Ala Ala Gly Pro Ala 85	Leu Ser Pro Val Pro 90	Pro Val Val His Leu 95	Thr						
Leu Arg Gln Ala Gly 100	Asp Asp Phe Ser Arg 105	Arg Tyr Arg Arg Asp 110	Phe						
Ala Glu Met Ser Arg 115	Gln Leu His Leu Thr 120	Pro Phe Thr Ala Arg 125	Gly						
Arg Phe Ala Thr Val	Val Glu Glu Leu Phe 135	Arg Asp Gly Val Asn 140	Trp						
Gly Arg Ile Val Ala 145	Phe Phe Glu Phe Gly	Gly Val Met Cys Val 155	Glu 160						
Ser Val Asn Arg Glu 165	Met Ser Pro Leu Val								
Met Thr Glu Tyr Leu 180	Asn Arg His Leu His 185	Thr Trp Ile Gln Asp	Asn						
Gly Gly Trp Asp Ala 195	Phe Val Glu Leu Tyr 200	Gly Pro Ser Met Arg 205	Pro						
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-	t tcc cag aaa gga tac 1 Ser Gln Lys Gly Tyr 20		-						
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88. Car

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	agc Ser											362
	cgg Arg											410
	ggc Gly											458
	tcc Ser 110											506
_	gta Val			_								554
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									Thr		gtg Val 220	794
	ggc Gly				Leu							836
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<213> homo sapiens

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Leu Ser Gln Lys Gly Tyr Ser Trp Ser Gln Phe Ser Asp Val Glu Glu 20 25 30

Asn Arg Thr Glu Ala Pro Glu Gly Thr Glu Ser Glu Met Glu Thr Pro 35 40 45

Ser Ala Ile Asn Gly Asn Pro Ser Trp His Leu Ala Asp Ser Pro Ala 50 55 60

Val Asn Gly Ala Thr Ala His Ser Ser Ser Leu Asp Ala Arg Glu Val 65 70 75 80

Ile Pro Met Ala Ala Val Lys Gln Ala Leu Arg Glu Ala Gly Asp Glu 85 90 95

Phe Glu Leu Arg Tyr Arg Arg Ala Phe Ser Asp Leu Thr Ser Gln Leu 100 105 110

His Ile Thr Pro Gly Thr Ala Tyr Gln Ser Phe Glu Gln Val Val Asn 115 120 125

Glu Leu Phe Arg Asp Gly Val Asn Trp Gly Arg Ile Val Ala Phe Phe 130 135 140

Ser Phe Gly Gly Ala Leu Cys Val Glu Ser Val Asp Lys Glu Met Gln 145 150 155 160

Val Leu Val Ser Arg Ile Ala Ala Trp Met Ala Thr Tyr Leu Asn Asp 165 170 175

His Leu Glu Pro Trp Ile Gln Glu Asn Gly Gly Trp Asp Thr Phe Val 180 185 190

Glu Leu Tyr Gly Asn Asn Ala Ala Ala Glu Ser Arg Lys Gly Gln Glu 195 200 205

Arg Phe Asn Arg Trp Phe Leu Thr Gly Met Thr Val Ala Gly Val Val 210 215 220

Leu Leu Gly Ser Leu Phe Ser Arg Lys 225 230

- 5 -